



REFRIGERATOR

Write the model and serial number here:

Model # _____

Serial # _____

Find these numbers on a label of the refrigerator cabinet at the left hand-side wall.

OWNER'S MANUAL

In the CANADA for questions about features, operation/performance, parts, accessories or service, call:

1-800-726-7864 (1-800-SAMSUNG)

www.samsung.ca

FEATURES

High-energy efficiency with twin cooling system

- Optimized power consumption with twin cooling system when using R134a and cyclopentane.

Humidity controlled drawers

- This is suitable for storing dry or wrapped food (e.g. fresh salads, vegetables and fruit).

Fridge at the top, drawer-type freezer at the bottom

- The highly ergonomic humidity controlled drawers are placed at waist height for frequent use.
- The drawer-type freezer minimizes temperature variations and stores food cleanly and conveniently.

Digital temperature control display

- The display shows all functions of the appliance, allowing easy control.
- Refrigerator and freezer temperatures can be adjusted separately.

Power Freeze

- Speeds up the freezing process in the freezer.

Power Cool

- Speeds up the cooling process in the refrigerator.

Door alarm

- When the refrigerator door is left open for more than two minutes, a musical alarm is automatically triggered. This feature helps you save electricity and preserve stored foods as a reminder to close the door.

Automatic defrosting in refrigerator/freezer

These operating instructions cover various models. The characteristics of your appliance may differ slightly from those described in this manual.

CONTENTS

FEATURES	1
WARNINGS / SAFETY PRECAUTIONS	2
INSTALLING THE REFRIGERATOR / FREEZER	4
PREPARING THE REFRIGERATOR / FREEZER	5
VIEW OF YOUR REFRIGERATOR / FREEZER	5
USING THE CONTROL FEATURES	6
CONTROLLING THE FREEZER AND REFRIGERATOR TEMPERATURES	7
STORING FOOD IN THE REFRIGERATOR OR FREEZER	8
MAKING ICE	9
REMOVING AND CLEANING ACCESSORIES	10
REPLACING INTERIOR LIGHTS	11
PROBLEMS AND SOLUTIONS	12
USAGE PRECAUTIONS	12

WARNINGS / SAFETY PRECAUTIONS

To avoid any risk of personal injury, material damage or incorrect use of the appliance, be sure to observe the following safety precautions. (After reading these owner's instructions, please keep them in a safe place for reference.) Remember to hand them over to any subsequent owner.



Warning

Indicates that a danger of death or serious injury exists.



Caution

Indicates that a risk of personal injury or material damage exists.



Warning

Warning

Do not plug several appliances into the same socket.

- This could cause overheating and the risk of fire.

Keep the power plug away from the rear of the refrigerator/freezer.

- A damaged power plug may cause fire due to overheating.

Do not directly spray water inside or outside the refrigerator/freezer.

- There is a risk of fire or electric shock.

Do not spray inflammable gas near the refrigerator/freezer.

- There is a risk of explosion or fire.

Do not bend the power cord excessively or place heavy articles on it.

This constitutes a fire hazard. If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.

Do not insert the power plug with wet hands.

- You may receive an electric shock.

Do not put a container filled with liquid on top of the appliance.

- If the water spills on to any electrical parts, it may lead to fire or electric shock.

Do not install the refrigerator/freezer in a damp place, where it may come into contact with water.

- Incorrect insulation of the electrical parts may cause an electric shock or fire.

Do not store volatile and inflammable substances in the refrigerator.

- The storage of benzene, thinner, alcohol, ether, LP gas or other such substances may cause an explosion.

Do not disassemble, repair or alter the appliance.

- It may cause fire or abnormal operation, which may lead to injury.

Pull the power plug out of the socket before replacing the interior light in the refrigerator.

- Otherwise, there is a risk of electric shock.

Be sure to ground the appliance.

- Otherwise, it may cause material damage or electric shock.

If you wish to dispose of the refrigerator/freezer, throw it away after removing the door or its seals.

- In this way, it is not possible for a child to remain trapped inside it.
- Keep ventilation openings in the appliance enclosure or mounting structure clear of obstruction.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the refrigerator/freezer, unless they are of a type recommended by the manufacturer.

WARNINGS / SAFETY PRECAUTIONS



Caution

Do not store too much food in the appliance.

- When you open the door, an item may fall out and cause personal injury or material damage.

Do not put bottles or any kinds of glass in the freezer.

- The container may break and cause personal injury.

If the wall socket is loose, do not insert the power plug.

- It could be cause electric shock or fire.

Do not disconnect the power cord by pulling on it.

- You may disconnect a wire and cause a short circuit.

Do not store articles on top of the appliance.

- When you open or close the door, the articles may fall and cause personal injury or material damage.

Do not store pharmaceutical products, scientific materials or other temperature-sensitive products in the refrigerator.

- Products that require strict temperature controls must not be stored in the refrigerator.

Do not let a child hang from the door.

Allow an adequate space and install the refrigerator/freezer on a firm, level floor.

- If the appliance is not level, there may be unusual noises and poor cooling.
- Wait for at least one hour before plugging the appliance in.

Clean the refrigerator/freezer.

- Wipe and clean the appliance inside and outside with a damp cloth and dry completely.

Plug the refrigerator/freezer into a wall socket used exclusively by this appliance.

- This appliance must be properly grounded.

Do not store pharmaceutical products, scientific materials or other temperature-sensitive products in the refrigerator.

- Products that require strict temperature controls must not be stored in the refrigerator.

Do not let a child hang from the door. Do not touch any containers or food in the freezer with wet hands.

- It may cause frostbite.

Remove any foreign matter or dust from the power plug pins.

- Otherwise there is a risk of fire.

Do not insert your hand into the bottom area of the appliance.

- Any sharp edges may cause personal injury.

After unplugging the appliance, wait for at least five minutes before plugging it in again to the wall socket.

- Abnormal operation of the freezer may cause material damage.

If the appliance is not to be used for a long period of time, pull out the power plug.

- Any deterioration in the insulation may cause fire.

Do not let children touch or play with the control panel on the front of the appliance.

- Do not allow children to play with this appliance.
- Do not stand or lean on the base panel, pull-out parts, doors and so on.
- Repairs and maintenance of the appliance should only be performed by a qualified technician. Incorrect repairs by an unqualified person are a potential source of danger that may have critical consequences for the user of the appliance.
- Never put ice cubes or ice pops straight from the freezer into your mouth. (The low temperature may cause "freezer burns".)

INSTALLING THE REFRIGERATOR/FREEZER

- 1** Allow an adequate space and install the refrigerator/freezer on a firm, level floor.
- If the appliance is not level, there may be unusual noises and poor cooling.
 - Wait for at least one hour before plugging the appliance in.

- 2** Clean the refrigerator/freezer.
- Wipe and clean the appliance inside and outside with a damp cloth and dry completely.

- 3** Plug the refrigerator/freezer into a wall socket used exclusively by this appliance.
- This appliance must be properly grounded.

- 4** Place the food in the refrigerator/freezer.
- It is recommended that you wait for the appliance to cool for 2-3 hours before storing food in it.



Warning

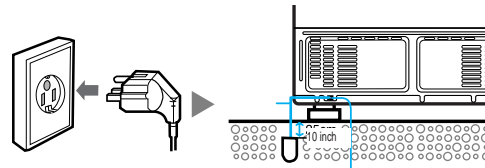
Use of a grounded socket exclusively for the appliance:

- If you are using a socket with a grounded terminal, you do not require a separate grounding connection.

Use of a non-grounded socket:

- Connect the "grounding wire" to the copper plate and bury it at a depth of at least 10 inches in the ground.

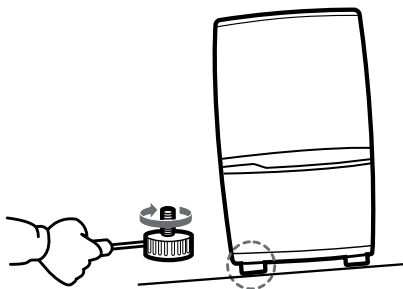
The appliance must be positioned so that the plug is accessible after installation.



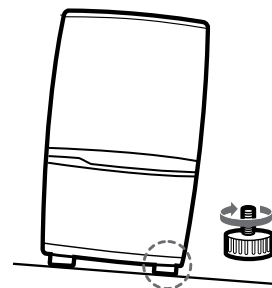
LEVELLING

If the front of the appliance is slightly higher than the rear, the door can be opened and closed more easily.

- 1** The appliance tilts down to the left.
- Turn the left adjusting leg in the direction of the arrow with a flat head screwdriver until the appliance is level.



- 2** The appliance tilts down to the right.
- Turn the right adjusting leg in the direction of the arrow with a flat head screwdriver until the appliance is level.



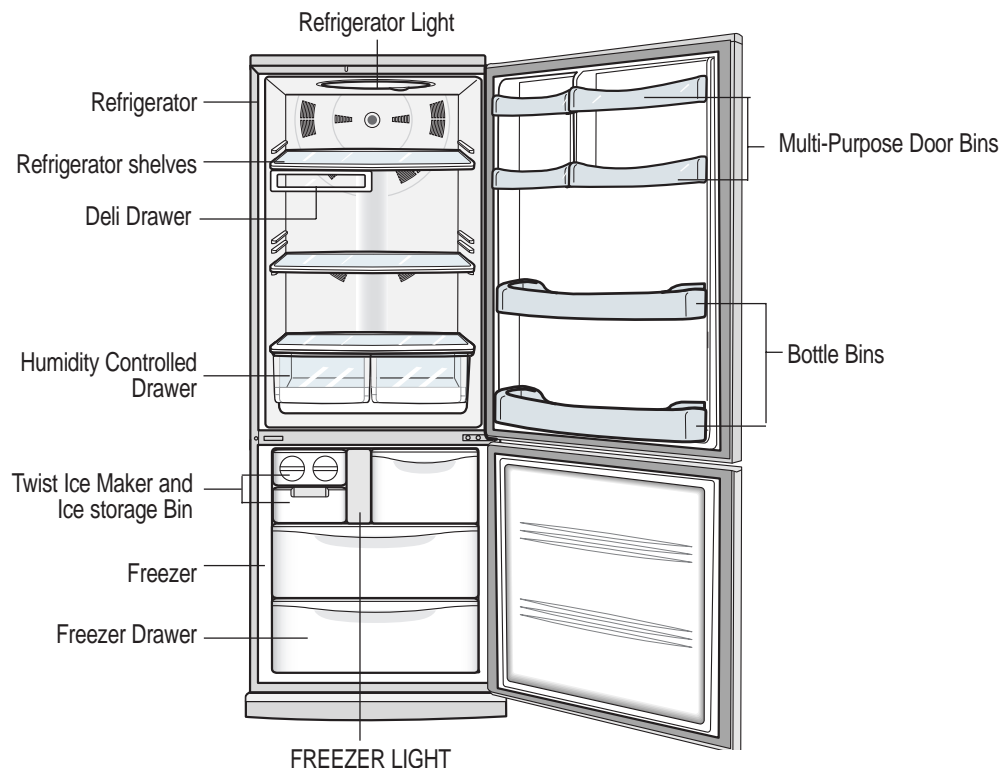
PREPARING THE REFRIGERATOR / FREEZER

To prepare your appliance for use and check that it is running correctly, take the following steps.

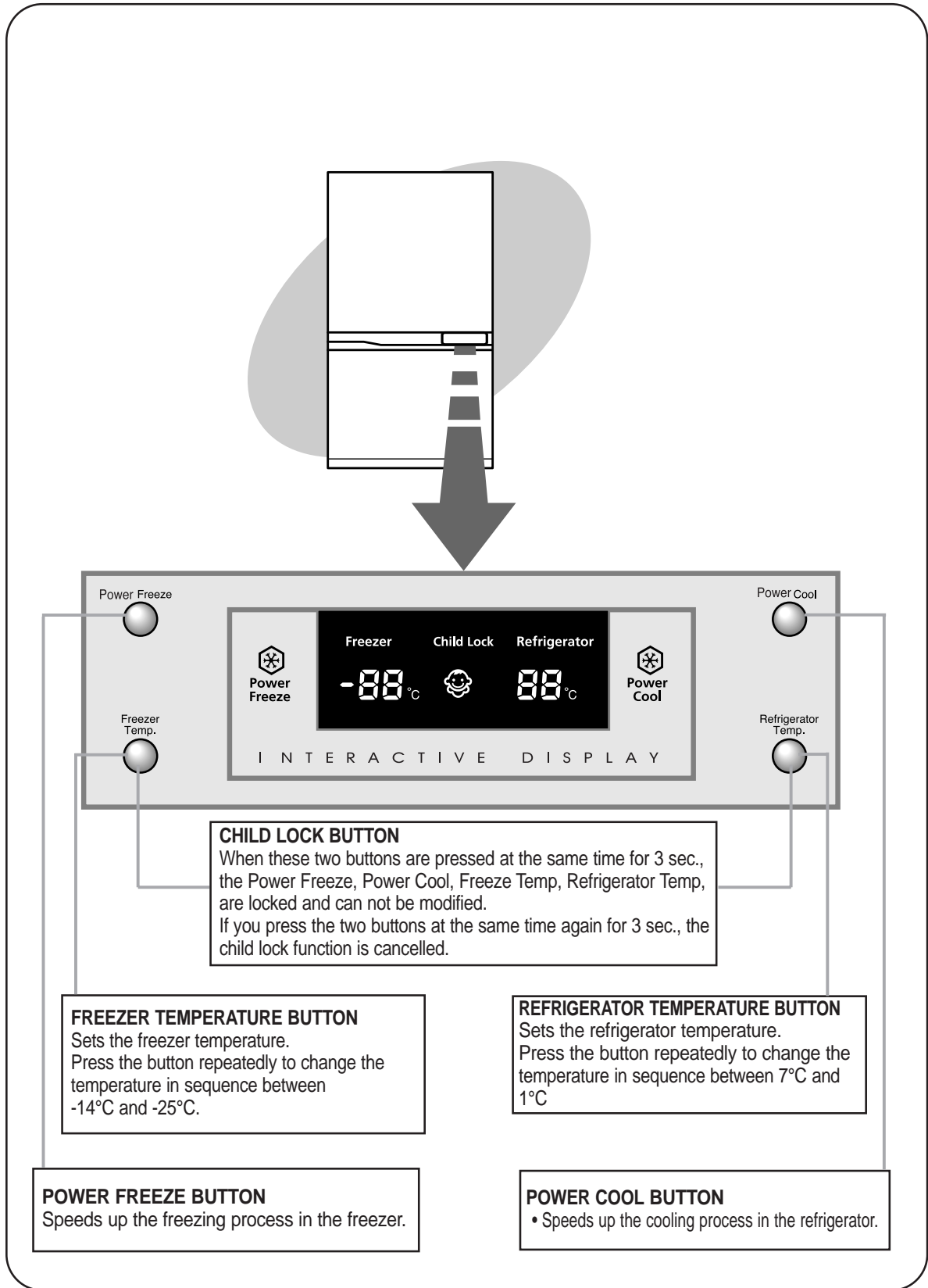
- 1** Install all shelves and compartments removed during transport and place them in the correct position.
- 2** You are advised to clean the appliance and accessories before switching the appliance on for the first time to remove any dust that accumulated during packing and shipping. Please clean the water dispenser (select models only) with a detergent, especially if there is an odor.
- 3** Switch on the appliance for approximately 2 hours before loading it with frozen food for the first time. Do not load with frozen food until the freezer temperature is at least -18°C . If you want to store frozen food as rapidly as possible, set the temperature control to the coldest temperature (-25°C) and let the appliance operate for one hour. The appliance is preset for normal operation. We recommend temperatures of $+3^{\circ}\text{C}$ in the refrigerator and -19°C in the freezer.
- 4** The interior light of the appliance will light up when the door is open. This interior light will go out when the door is closed.
- 5** Your appliance is operated by a compressor which switches "on and off" to maintain the internal temperature. When the compressor is new, it requires running in for a period of up to five months. During this period, it may be slightly noisy. This is quite normal and does not represent a fault.
- 6** Store food once the temperature in the refrigerator is sufficiently low. It takes a few hours after starting the refrigerator to reach the proper temperature.

If the appliance does not operate correctly, check the electricity supply. If the problem persists, contact your dealer.

VIEW OF YOUR REFRIGERATOR / FREEZER



USING THE CONTROL FEATURES



CONTROLLING THE FREEZER AND REFRIGERATOR TEMPERATURES

Freezer

- The freezer can be set to a temperature between -14°C and -25°C.
- Press the **FREEZER TEMP.** button **repeatedly** until the desired temperature is shown in the temperature display.
- The temperature display changes in sequence between -14°C and -25°C. When the display reaches -14°C, it returns to -25°C.
- After five seconds, the display reverts to the average freezer temperature, which changes as the freezer reaches the new temperature.

Refrigerator

- The refrigerator can be set to a temperature between 7°C and 1°C.
- Press the **REFRIGERATOR TEMP.** button **repeatedly** until the desired temperature is shown in the temperature display.
- The temperature display changes in sequence and reverts to the average temperature in the same way as the freezer.



Temperature Display

Displays the current and selected freezer temperatures.

Freezer Display

Indicates that you are setting the freezer temperature or have opened the freezer door.



Temperature Display

Displays the current and selected refrigerator temperatures.

Refrigerator Display

Indicates that you are setting the refrigerator temperature or have opened the refrigerator door.



INDICATORS

Power Freeze



- This light is on when you press the POWER FREEZE button. Press this button to quickly return the freezer to the set temperature. This feature is useful if the freezer door has been left open for awhile.
- Press the button again to cancel the POWER FREEZE mode.

Power Cool



- This light is on when you press the POWER COOL button. Press this button to quickly return the refrigerator to the set temperature. This feature is useful if the refrigerator door has been left open for awhile.
- Press the button again to cancel the POWER COOL mode.

Temperature display

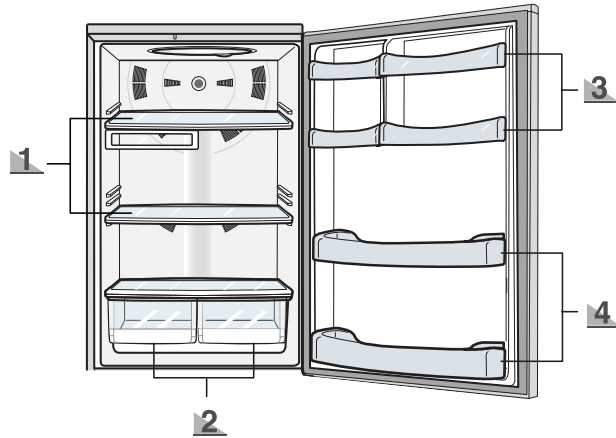
- The temperatures displayed for the freezer and refrigerator are the actual temperatures of each compartment.
- There may be a slight difference between the set temperature and the actual temperature.

STORING FOOD IN THE REFRIGERATOR OR FREEZER

When storing food in the appliance, follow the recommendations below.

- Allow warm food and beverages to cool down before storing them in the appliance.
- Ensure that food is well-wrapped or covered before it is stored. This will prevent food from dehydrating, deteriorating in color or losing flavor and will help maintain freshness. Fruits and vegetables need not be wrapped, provided that they are stored in the refrigerator vegetable drawers.
- You are advised not to wrap the food with paper and store it in the refrigerator and freezer. It could be the cause of odor generation.
- Never let any oil or grease come into contact with the plastic fittings or door seals, as these materials easily become porous.
- Never store any explosive substances inside the appliance. High-proof alcohol should only be stored upright in tightly sealed containers.
- Please keep the space between shelf and the rear wall of the enclosed space of the cabinet 1/2inch apart for air circulation.

A. Refrigerator



1 Transparent, unbreakable shelves

- Place food in storage containers and lay the items out at suitable intervals.
- The storage shelf is made from an unbreakable, transparent material, so that you can use it safely.



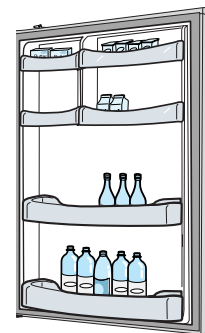
2 Humidity controlled drawers

- Fruit and Vegetables can be stored in these compartments.
- The drawer can be removed if you need more space to store fruit and vegetables.
- To maintain the high humidity, slide the humidity control lever to "HIGH" side.



3 Multi-purpose door guard and egg bin

- The refrigerator is warmest at the front, at the top and in the door.
- Store small packaged foods, like milk, yogurt and beverages here.



4 Bottle door guard

- Store small bottles and cartons of beer, milk and juice in the upper area and large bottles and gallon cartons in the lower area.

STORING FOOD IN THE REFRIGERATOR OR FREEZER

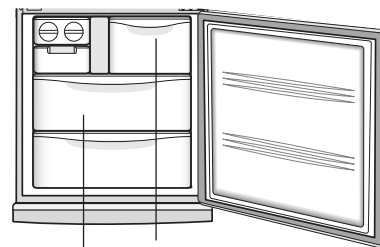
B. Freezer

Upper freezer drawer

- Store packed frozen foods, like ice cream and bacon.

Middle/lower freezer drawer

- Store fresh meat and fish or dried foods divided into suitably sized portions.



Upper freezer drawer

Middle/lower freezer drawer



Wrapping food

Pack the food in suitably sized portions for your household.

Note

Vegetable and fruit portions should be no heavier than 2 pounds, while meat portions can be up to 5.5 lbs.

Smaller portions freeze through more quickly and the quality is better maintained when defrosting and preparing the food.

It is important to seal food in airtight bags or containers before freezing to prevent it from losing its taste or dehydrating.

Wrap the food, press out any air and seal it airtight.

Suitable wrapping materials:

Plastic bags, cling-film, aluminium foil and freezer containers. These items are available from any dealer.

Unsuitable wrapping materials:

Wrapping paper, wax paper, cellophane, bin bags or used carrier bags.

These can cause odors to be generated.

Suitable sealing materials:

Rubber bands, plastic clips, string, freezer tape or similar.

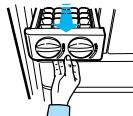
Plastic film and bags may be heat-sealed using a special sealing iron or press.

Before placing a package in the freezer, it should be clearly labelled with the contents and date of freezing.

MAKING ICE

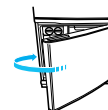
1

Pull out the ice-cube trays.



4

Close the freezer door.



2

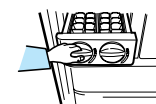
Fill trays up to the water level mark (arrow).



5

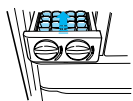
Twist Ice System

Once the water has become frozen, turn the dials on the ice cube trays to empty ice cubes into the storage bin.



3

Put the ice-cube trays back in position.



Danger of explosion

- The coldest parts of the refrigerator are the rear panels and the lowest shelf. This is the best place to store delicate food.
- Glass bottles containing liquids that can freeze should never be stored in the freezer as the glass will explode.



Note

Making ice quickly

To speed up the time it takes to make ice, press the "POWER FREEZE" button to select the fast freeze function.

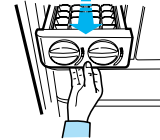
REMOVING AND CLEANING ACCESSORIES

Before cleaning the appliance, you must always switch it off and unplug it from the wall socket. Do not use a steam cleaner. Hot steam could damage the surface of the appliance or the electrical components, with a risk of electric shock.

1

Ice cube tray

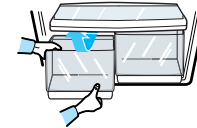
- Place a hand in the lower groove, then pull the ice cube maker forward.
- Remove the ice cube trays and rinse them in water and dry completely.



2

Humidity controlled drawers

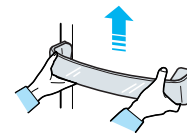
- Pull the high-humidity salad drawer out as far as it will go, then remove it by lifting it slightly and pulling it towards you.
- Wipe it with a damp cloth and dry completely.



3

Door bins

- Hold the door bin in both hands, then remove it by lifting it slightly and pulling it towards you.
- Wash it in water and dry completely.



4

Freezer drawers

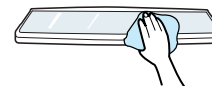
- Holding the freezer drawer in both hands, pull it out as far as it will go, then remove it by lifting it up slightly and pulling it towards you.
- Wipe it with a damp cloth and dry completely.



5

Transparent, unbreakable shelves

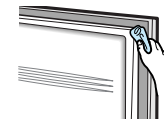
- Remove the shelf, then clean it using water and detergent and dry completely.
- When replacing the shelves, do not mix up the top, middle and bottom shelves.



6

Rubber seal

- Clean the rubber seals with a damp cloth and detergent. Use a wooden skewer wrapped in a small cloth to clean in the grooves.



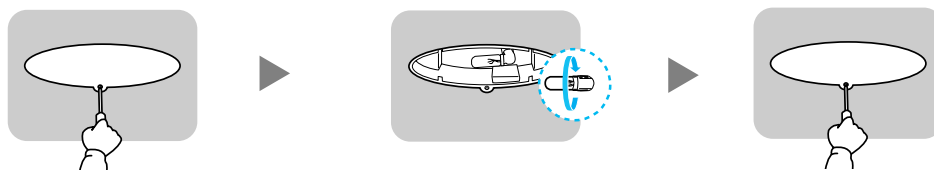
REPLACING INTERIOR LIGHTS



REFRIGERATOR LIGHT BULB

Always unplug the appliance when replacing the refrigerator light. Otherwise, there is the danger of electric shock.

- 1** Unscrew the cover with a philips-head screwdriver.
- 2** - Incandescent light
 - Turn the interior light to pull it out and replace it with a new one.
 - 30 watt light bulb with 17 base socket
- 3** Screw the cover back with a philips-head screwdriver.



FREEZER LIGHT BULB

- 1** Raise the hanging sill under the light bulb cover upward by pressing on it and pull towards you.
- 2** Replace the light bulb with a new bulb after removing it by turning it in the direction of arrow.
 - Watt and voltage must agree with the details on the type plate.
 - 15 watt light bulb with 17 base socket
- 3** Insert the lower hanging sill after fitting the upper part of the light bulb cover.



NOTE

Replacement bulbs for both the freezer and refrigerator are at retail outlets such as Wal-mart, The Home Depot and Lowe's.
Use replacement bulb size E17, maximum 30 watt in refrigerator or 15 watt in freezer.

PROBLEMS AND SOLUTIONS

The appliance is not operating at all or the temperature is too high

- Check that the power plug is correctly connected.
- Is the temperature control on the front panel correctly set?
- Does sun shine on the appliance or are there heat sources nearby?
- Is the back of the appliance too near to the wall?

The food in the refrigerator is frozen

- Is the temperature control on the front panel set to the coldest temperature?
- Is the surrounding temperature too low?
- Did you put food with a high water content in the refrigerator?

There are unusual noises

- Check that the appliance is installed on a stable, level floor.
- Is the back of the appliance too near to the wall?
- Have any foreign objects fallen behind or under the appliance?
- Is the noise coming from the compressor in the appliance?
- A ticking sound may be heard inside the appliance; this is normal. This sound occurs when the various accessories contract or expand.

The front corners and sides of the appliance are warm and condensation starts to form

- Heat-proof pipes are installed in the front corners of the appliance to prevent condensation from forming. When the surrounding temperature rises, this may not always be effective. However, this is not abnormal.
- In very humid weather, condensation may form on the outer surface of the appliance when moisture in the air comes into contact with the cool surface of the appliance.

You can hear a liquid bubbling in the appliance

- Please note that this noise is caused by the refrigerant circuit and is not a problem.

There is a bad smell inside the appliance

- Do not wrap food with paper.
- Store foods covered and clean the cold inlet.

There is a layer of frost on the surface of stored food.

- Space the food out as much as possible to improve ventilation.
- Is the door fully closed?

Condensation forms on the inside wall of the appliance and around vegetables

- Food with a high water content is stored uncovered with a high humidity level or the door has been left open for a long time.
- Store the food with a cover or in sealed containers.

USAGE PRECAUTIONS

Store food with a high water content at the front of a refrigerator shelf.



Power Saving Tips

- Install the appliance in a cool, dry room with adequate ventilation. Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
- Never block any vents or grilles on the appliance.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw. You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Defrost the freezer when ice builds up. A thick coat of ice will impair the transfer of cold to the frozen products, thereby increasing power consumption.
- Do not keep the door of the appliance open for too long when putting food in or taking food out. The shorter time the door is opened, the less ice will form in the freezer.
- When freezing food or storing it in the freezer, place the food directly on the freezer elements in the top container.

Store hot food in the appliance only after it has cooled.

- If you store cold food, you save on electricity and improve refrigeration.

ADRESSE : SAMSUNG ELECTRONICS CANADA INC
7037 FINANCIAL DRIVE, MISSISSAUGA, ONTARIO L5N 6R3

TEL : 905-542-3535 FAX : 905-542-3835
1-800-SAMSUNG



ELECTRONICS